



Namibian Ports Authority  
P O Box 361 Walvisbay, Namibia  
No. 17 Rikumbi Kandanga Road, Walvis Bay, Namibia  
P O Box 836, Luderitz, Namibia

# Request for Quotations (RFQ) For Works

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## REPAINT TRAFFIC LANES AND ROADMARKINGS AT NCT AT THE PORT OF WALVIS BAY

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**Procurement Reference No: W/RFQ/NAMPORT/10099054/2024**

**Non-Compulsory Site Meeting:**

Site: Procurement Office – Namport, Walvis Bay  
Date: 26 March 2024  
Safety Apparel: Safety shoes  
Time: 10:30  
Contact: Bennie Gaeseb @064 208 2271  
Email: [b.gaeseb@namport.com.na](mailto:b.gaeseb@namport.com.na)

**Bid Submission:**

**This is an electronic request and responses must be submitted to the email address stated in the Quotation Submission Address before the closing date and time:**

**Quotations submission address:** [rfq@namport.com.na](mailto:rfq@namport.com.na)

**Deadline for request for clarifications from Bidders:** 28 March 2024 @ 12:00

**Closing Date and Time of Bids:** 05 April 2024 @ 12:00



## Namibian Ports Authority (NAMPORT) gives notice of the following Request for Sealed Quotations - Goods

Procurement Ref No	March_RFQ_014
RFQ Reference Number	W/RFQ/NAMPORT/10099054/2024
Description of Works	Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay
Closing Date & Time	05 April 2024
Quotation Submission Address	<a href="mailto:rfq@namport.com.na">rfq@namport.com.na</a>
Validity Period of Quote	120 Days (from closing date)
Lead Time	10 working days

- a) This is an electronic request and responses must be submitted to the email address stated in the Quotation Submission Address before the closing date and time.
- b) Under no circumstance should the response be submitted, copied or forwarded to any email address of any NAMPORT employee prior to the deadline for submission of responses. This may result in disqualification of your quotation.
- c) This Request for Quotation (RFQ) is accompanied by and comprises the following documents: N/A
- d) The above documents comprise the RFQ Documents and are provided as a basis for the preparation of your Submission Response. They are confidential and are provided to you on the terms and conditions set out in this Quotation Invitation Document
- e) If any clarification is required, kindly contact the Procurement officers below in writing.
- f) The Company reserves the right to amend the whole or any part of the RFQ at any time prior to the deadline for submission.
- g) Please note that this is a Request for Quotation/Proposal only. All responses to this document will be treated as strictly confidential and will be used for the evaluation of this RFQ only. NAMPORT may at its sole discretion, accept or reject any quotation. Therefore, there is no obligation on NAMPORT to accept the lowest or any bid. NAMPORT may accept or reject any part of a quotation without being obliged to accept such quotation in its entirety.

Contact Person for Enquiries and Clarifications:

Name	Agnes Mkabelana	Tshifundo Kandenge
Designation	Procurement Clerk	Buyer
Telephone	+264 64 208 2445	+264 64 208 2448
Email	<a href="mailto:a.mkabelana@namport.com.na">a.mkabelana@namport.com.na</a>	<a href="mailto:t.kandenge@namport.com.na">t.kandenge@namport.com.na</a>



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**Letter of Invitation**

***W/RFQ/NAMPORT/10099054/2024***

***[19 March 2024]***

Dear Bidder,

**REQUEST FOR QUOTATION (RFQ) – WORKS**

1. Bidders are invited to submit their quotation for the Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay. This RFQ constitutes only a solicitation and is NOT an order;
2. Bidders are requested to submit one quotation for the provision of Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay, as per the specifications in this RFQ. Following an evaluation of the received quotations, NAMPORT may select one or more of the bidders for the Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay;
3. Only quotations for the entire nomenclature as described in the Quotation Submission Form will be accepted;
4. Any resulting contract shall be subject to the terms and conditions referred to in the document;
5. Queries or clarification, if any, should be addressed to the Procurement Officials on the front page;
6. Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

NAMPORT would like to thank you for considering this invitation for Request for Quotation.

Yours faithfully,

**MELANI DE KLERK  
PROCUREMENT MANAGER  
NAMPORT**



## SECTION I: INSTRUCTIONS TO BIDDERS

### 1. Rights of the Public Entity

The Namibian Ports Authority reserves the right:

- a) to split the contract as per the lowest evaluated cost per item, or
- b) to accept or reject any quotation; and
- c) to cancel the quotation process and reject all quotations at any time prior to contract award.

### 2. Form of bid

This is an electronic bid and responses must be submitted to the delivery e-mail address stated on the cover page. Bidders are required to insert the Procurement reference number only in the subject line of the response e-mail. If a bidder wishes to submit more than one e-mail, then the subject line should be appended with the number of e-mails that will be sent (e.g. "**1 of 4**"), etc.)

### 3. Preparation of Quotations

Bidders are requested to quote for the items mentioned in Section III by completing, signing and returning:

- a) the Quotation Letter in Section II with its annex for Bid Securing Declaration, where applicable
- b) the Price Activity Schedule Section III;
- c) the Specifications and Compliance Sheet in Section V; and
- d) any other attachment deemed appropriate.

Bidders are advised to carefully read the complete Request for Sealed Quotations document, including the Special Conditions of Contract in Section VII, before preparing your quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

### 4. Validity of Quotations

The Quotation validity period shall be **120 days** from the date of submission deadline.

### 5. Eligibility Criteria (Mandatory Legal Documents)

To be eligible to participate in this Quotation exercise, bidders should meet the below minimum requirements. Bids which do not comply with a single mandatory requirement will be declared non-responsive and immediately disqualified.

- (a) Have a valid company Registration Certificate;
- (b) have a valid good standing Tax Certificate;
- (c) have a valid good Standing Social Security Certificate or, in the case where a company has no employees, a confirmation letter from Social Security Commission;
- (d) have a valid certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998.  
In the event that the Affirmative Action Compliance Certificate is over 12 months from the date of issue, a confirmation letter from the Employment Equity Commissioner indicating that the employer did submit the report for the period following the date when the certificate was issued must be submitted.
- (e) have a certificate indicating SME Status (for Bids reserved for SMEs);

**Mandatory Administrative Documents**

- (a) Bid Securing Declaration
- (b) Bid Submission Form
- (c) A written undertaking on the part of the Bidder that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws as contemplated in section 138(2) of the Labour Act, 2007

**6. Technical Requirement**

In order to be considered technically responsive, the bidder must score **100%** in the technical evaluation.

Item No.	Evaluation Criteria	Yes	No
1.	<p><b>Previous experience</b> in application of permanent road markings and traffic lanes using a mechanical road-painting machine, with maximum of (3) individual projects successfully completed within the last five (5) years where the bidder was the main contractor, sub-contractor or a JV. Bidder to submit duly signed/stamped letters of references on company letter heads and or valid completion certificates.</p> <ul style="list-style-type: none"> <li>• Completion of one (1) or two (2) projects will <b>not</b> be considered.</li> </ul>		
2.	<p>Relevant CV of <b>Site Agent</b> (who will be based permanent on this project) who has the necessary training and at least ten (10) years relevant experience in works of equivalent nature and volume as specified in the Bid. Attach valid references indicating date, signature and relevant contact number of the referee.</p> <ul style="list-style-type: none"> <li>• Experiences less than ten (ten) years will <b>not</b> be considered.</li> <li>• CV's submitted <u>without</u> proper referencing indicating date, signature and relevant contact number of the referee will <b>not</b> be considered.</li> </ul>		
3.	<p>Relevant CV of <b>foreman</b> (who will be based permanent on this project) who has at least five (5) years relevant experience in works of equivalent nature and volume as specified in the Bid.</p> <ul style="list-style-type: none"> <li>• Experiences less than five (5) years will not be considered.</li> </ul>		
4.	<p>Bidders to confirm ownership of the following <b>plant/equipment</b> by submitting certified copies of valid registration certificates (or relevant document) in the name of the bidder.</p> <ul style="list-style-type: none"> <li>▪ Mechanical road-painting machine capable of applying road markings to a uniform width.</li> <li>▪ LDV or drop side (the LDV may be hired)</li> </ul>		



5.	Proposal for timely acquisition (own, lease, hire) of the essential equipment such as <u>temporary traffic signs/ cones.</u>		
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### 7. Capability of Bidders

The Bidder warrants that it has/will have the capacity to perform the works as required.

The Bidder shall furnish, as part of the response, documents establishing the bidder's eligibility to propose and to deliver the works as required. The documentary evidence shall establish to NAMPORT's satisfaction that:

- a) The Bidder has the financial and technical capacity necessary to fulfil its obligations under the eventual Contract or PO;
- b) The bidder has established the necessary infrastructure and has adequate equipment, resources and such other facilities as required to fulfil its obligations under the eventual Contract or PO.
- c) Bidders must, upon request, furnish such additional information that NAMPORT may reasonably require as to their ability to provide the works.

### 8. Site Visits

A non-compulsory site visit will be held on 04 April 2024, at 10h30, Procurement Building, Namport Walvis Bay.

### 9. Extensions of Time

NAMPORT may in its absolute discretion by written notice to all Bidders extend the submission closing time. If any bidder applies for and is granted an extension of time to lodge its submission, the extension so granted shall apply to all bidders who will be advised of the extended closing date for receipt of quotations whether their submissions have or have not been lodged. If a bidder has already lodged a submission, it may revise that submission and resubmit it no later than the extended submission closing time.

### 10. Addenda

NAMPORT may, from time to time, clarify any aspects of the RFQ documentation, which require clarification and will issue addenda to all bidders detailing such clarifications.

### 11. Bid Security/Bid Securing Declaration

Bidders are required to subscribe to a Bid Securing Declaration for this procurement process. The Bidder shall furnish as part of its quotation, a Bid Securing Declaration as per the format contained in this document.

### 12. Works Completion Period

Completion of works shall be **12 months** after acceptance/issue of Purchase Order. Deviation in completion schedule shall be considered if such deviation is reasonable.

### 13. Submission of Quotations

Quotations should be sent via email to: [rfq@namport.com.na](mailto:rfq@namport.com.na) not later than

**Closing date: 05 April 2024**

**Closing time: 12:00**

- Quotations by post or hand delivered would not be considered.



- Late quotations will be rejected.

#### 14. Opening of Quotations

Quotations will be opened internally by the Namport immediately after the closing time referred to in instruction 12 above. A record of the Quotation Opening stating the name of the bidders and the amount quoted will be available to any bidder on request within three working days of the Opening.

#### 15. Evaluation of Quotations

NAMPORT shall have the right to request for clarifications in writing during evaluation. Offers that are substantially responsive shall be compared on the basis of price or ownership cost, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

#### 16. Technical Compliance

The Specifications and Compliance Sheet details the minimum specifications of the works to be carried out. The specifications have to be met, but no credit will be given for exceeding the specifications.

All bids that meet mandatory requirements will then be evaluated for Technical compliance. Bids which fail to score at least the minimum technical score will be immediately disqualified.

#### 17. Prices and Currency of Payment

Prices for the execution of works shall be fixed in Namibian Dollars as quoted.

Quotations shall cover all costs of labour, materials, equipment, overheads, profits and all associated costs for performing the works, and shall include all duties. The whole cost of performing the works shall be included in the items stated, and the cost of any incidental works shall be deemed to be included in the prices quoted.

The bidders must provide a price exclusive of any General Sales Tax or Value Added Tax for each item and all delivery points detailed in the Quotation Response Document.

#### 18. Margin of Preference

This bid is reserved for Local Suppliers in terms of Section 73 of the Public Procurement Act, and the Code of Good Practice

- Excusive preference will be allowed for the following categories:

#	Category of Local Supplier	Margin of
1	Micro, Small & Medium Enterprise (SME)	1%
2	Women Owned Enterprise	1%
3	Youth Owned Enterprise	2%
4	Previously Disadvantaged Person Owned Enterprise	2%
5	Suppliers providing employment to Namibian citizens	1%
	<b>Total</b>	<b>7%</b>

- A bidder must include a declaration in its bid, outlining the preferences the bidder qualifies for and the grounds for such qualifications.
- Share Certificates
- Proof of Qualification for categories (ie ID of youth and woman, SME Certificate, employee list and nationality)
- The following documentary evidence in support of the grounds for qualification must be submitted

#	Category of Local Supplier	Documentary Evidence
1	Micro, Small & Medium Enterprise (SME)	<ul style="list-style-type: none"> <li>• SME registration certificate</li> <li>• Declaration indicating the percentage of Namibian MSME ownership</li> </ul>
2	Women Owned Enterprise	<ul style="list-style-type: none"> <li>• ID's of all shareholders</li> <li>• Founding statement/ company registration indication ownership structure/ shareholder certificate</li> <li>• Declaration indicating the percentage of Namibian female ownership</li> </ul>
3	Youth Owned Enterprise	<ul style="list-style-type: none"> <li>• ID's of all shareholders</li> <li>• Founding statement/ company registration indication ownership structure/ shareholder certificate</li> <li>• Declaration indicating the percentage of Namibian youth ownership</li> </ul>
4	Previously Disadvantaged Person (PDP) Owned Enterprise	<ul style="list-style-type: none"> <li>• ID's of all shareholders</li> <li>• Founding statement/ company registration indication ownership structure/ shareholder certificate</li> <li>• Declaration indicating the percentage of Namibian PDP ownership</li> </ul>
5	Suppliers providing employment to Namibian	<ul style="list-style-type: none"> <li>• Declaration that the bidder employs 50% or more Namibian citizens</li> </ul>

#### 19. Language

Bidder responses shall be submitted in the English language.

#### 20. Award of Contract

The Bidder having submitted the lowest evaluated responsive quotation and qualified to perform the works shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance with terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.





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**21. Performance Security**  
(N/A)

**22. Notification of Award and Debriefing**

NAMPORT shall after award of contract promptly inform all unsuccessful bidders in writing of the name and address of the successful bidder and the contract amount within seven (7) days after request from the bidder. Furthermore, NAMPORT shall attend to all requests for debriefing made in writing within seven (7) days of the unsuccessful bidders being informed of the award.

**23. Costs**

Any costs incurred by a Bidder, in the preparation and submission of its response must be borne by the Bidder.

**24. Final Check**

Please check that you have attached all documents, details or additional information that are related or requested in this document before submitting your responses.



**SECTION II: QUOTATION LETTER**

**(To be completed by Bidders)**

All Bidders must complete this form with all the requested details and submit it as the first page of your quotation with the Price list and documents requested above. A signature and authorization on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. **If your quotation is not authorized, it may be rejected.**

<b>Quotation addressed to</b>	Namibian Ports Authority
<b>Procurement Reference Number</b>	W/RFQ/NAMPORT/10099054/2024
<b>Subject matter of Procurement</b>	Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay

We offer to execute the Works detailed in the Statement of Requirements, in accordance with the terms and conditions stated in your Request for Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instruction to Bidders.

We undertake to abide to ethical conduct during the procurement process and the execution of any resulting contract.

We have read and understood the content of the *Bid Security / Bid Securing Declaration (BSD)* attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to forfeiture of the security amount / disqualification on the grounds mentioned in the bidding document.

**The validity period of the Quotation is 120 Days from the date of the bid submission deadline.**

We confirm that the prices quoted in the Priced Activity Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the quotation validity period.

Works will commence within \_\_\_\_\_ *[insert number]* days from date of issue of Purchase Order/ Letter of Acceptance.

Works will be completed within \_\_\_\_\_ *[insert number]* days from date of issue of Purchase Order/ Letter of acceptance.

**Quotation Authorised by:**

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:		Position:	Signature:
Date		Phone No	



**Appendix to Quotation Letter**

**BID SECURING DECLARATION  
(Section 45 of Act)  
(Regulation 37(1) (b) and 37(5))**

**Date:** *[Day/month/year].....*

**Procurement Ref No.:** W/RFQ/NAMPORT/10099054/2024

**To:** NAMPORT

I/We\* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We\* accept that under section 45 of the Act, I/we\* may be suspended or disqualified in the event of:

- a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;
- b) refusal by a bidder to accept a correction of an error appearing on the face of a bid;
- c) failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We\* be successful bidder; or
- d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.

I/We\* understand this bid securing declaration ceases to be valid if I am/We are\* not the successful Bidder

Signed: .....  
*[Insert signature of person whose name and capacity are shown]*

Capacity of:  
*[Indicate legal capacity of person(s) signing the Bid Securing Declaration]*

Name: .....  
*[Insert complete name of person signing the Bid Securing Declaration]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
*[Insert date of signing]*

[Note\*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]



**Republic Of Namibia**

**Ministry of Labour, Industrial Relations and Employment Creation**

**Written undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2) (D) of the Public Procurement Act, 2015**

**1. EMPLOYERS DETAILS**

Company Trade Name: .....

Registration Number: .....

Vat Number: .....

Industry/Sector: .....

Place of Business: .....

Physical Address: .....

Tell No.: .....

Fax No.: .....

Email Address: .....

Postal Address: .....

Full name of Owner/Accounting Officer: .....

.....

Email Address: .....



## 2. PROCUREMENT DETAILS

Procurement Reference No.: .....

Procurement Description: .....

.....

Anticipated Contract Duration: .....

Location where work will be done, good/services will be delivered: .....

.....

## 3. UNDERTAKING

I ..... *[insert full name]*, owner/representative

of .....*[insert full name of company]*

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

**Signature:** .....

**Date:** .....

**Seal:** .....

*Please take note:*

1. *A labour inspector may conduct unannounced inspections to assess the level of compliance*
2. *This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.*



## Self-Declaration Form - Margin of Preference

**Quotation For:** Repaint traffic lanes and road markings at New container terminal at the Port of Walvis Bay

**Procurement Ref No:** W/RFQ/NAMPORT/10099054/2024

I/We the undersigned declare that:

1. I / we are eligible for the following categories of Exclusive Preference in terms of allowable Margin of Preferences as outlined in the Code of Good Practice and in accordance with applicable laws at the date of the deadline for bid submission.

#	Category of Local Supplier	Margin of Preference
1	Micro, Small & Medium Enterprise (SME)	1%
2	Women Owned Enterprise	1%
3	Youth Owned Enterprise	2%
4	Previously Disadvantaged Person Owned Enterprise	2%
5	Suppliers providing employment to Namibian citizens	1%
	<b>Total</b>	<b>7%</b>

2. We attached hereto the following documentary evidence in support of the grounds for qualification.

#	Category of Local Supplier	Documentary Evidence
1	Micro, Small & Medium Enterprise (SME)	<ul style="list-style-type: none"> <li>• SME registration certificate</li> <li>• Declaration indicating the percentage of Namibian MSME ownership</li> </ul>
2	Women Owned Enterprise	<ul style="list-style-type: none"> <li>• ID's of all shareholders</li> <li>• Founding statement/ company registration indication ownership structure/ shareholder certificate</li> <li>• Declaration indicating the percentage of Namibian female ownership</li> </ul>
3	Youth Owned Enterprise	<ul style="list-style-type: none"> <li>• ID's of all shareholders</li> <li>• Founding statement/ company registration indication ownership structure/ shareholder</li> </ul>



		certificate <ul style="list-style-type: none"><li>• Declaration indicating the percentage of Namibian youth ownership</li></ul>
4	Previously Disadvantaged Person (PDP) Owned Enterprise	<ul style="list-style-type: none"><li>• ID's of all shareholders</li><li>• Founding statement/ company registration indication ownership structure/ shareholder certificate</li><li>• Declaration indicating the percentage of Namibian PDP ownership</li></ul>
5	Suppliers providing employment to Namibian	<ul style="list-style-type: none"><li>• Declaration that the bidder employs 50% or more Namibian citizens</li></ul>

Declared at \_\_\_\_\_ this \_\_\_\_ day of \_\_\_\_\_ 2023

Signature (of duly authorised officer): \_\_\_\_\_.

Full Name and Designation: \_\_\_\_\_



**SECTION III: PRICED ACTIVITY SCHEDULE**

**Quotation For:** REPAINT TRAFFIC LANES AND ROADMARKINGS AT NCT AT THE PORT OF WALVIS BAY  
**Procurement Ref No.:** W/RFQ/NAMPORT/10099054/2024

Complete the unit and total prices for each item listed below. Authorise the prices quoted in the signature block below

The quantities shown below are approximate and not subject to re-measurement for payment purposes.

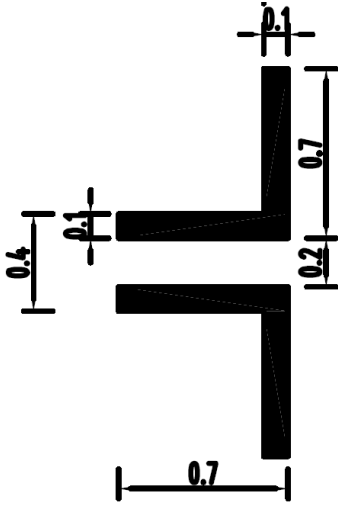
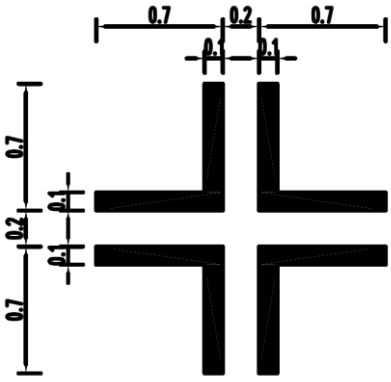
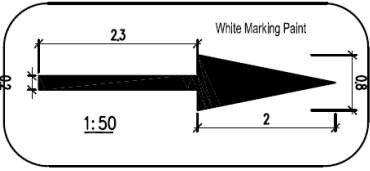
Bidders must complete the priced activity schedule in **black ink**.

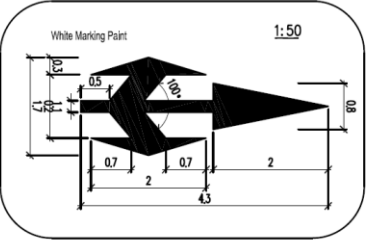
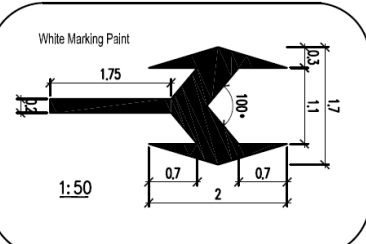
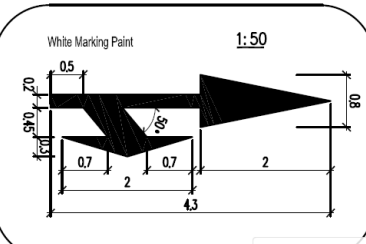
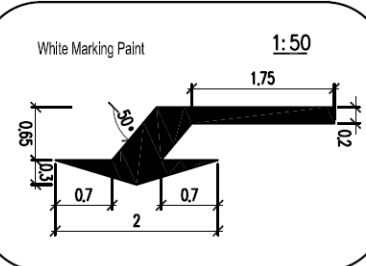
Item No	Brief Description of Works	Quantity	Unit of Measure	Unit Price (N\$)	Total Price (N\$)
A*	B*	C*	D*	E	F
<u>Pothole Repairs</u>					
<i>Potholes: The existing material shall be removed in a neat rectangle to sound base, with a minimum dimension of 300 mm x 300 mm. All sides shall be perpendicular or parallel to the direction of traffic. The minimum depth of excavation (layer thickness) is 30 mm and the maximum thickness of each layer shall be 50 mm. All depths must be even and only cutting discs may be used. No picks, spades or any other means may be used as cutting tools and no payments will be approved if no cutting discs were used. The contractor must include cutting discs prices in his tendered rates.</i>					
1.	Site Establishment	1	sum		
2.	Site de-Establishment	1	sum		
3.	Provisional sums.	1	sum	20 000-00	20 000
4.	Traffic Accommodation	1	sum		
5.	Remove all sand, grit and any other loose material and clean/remove old paint-markings, grease, oil specs and oil-spots from the surfaces of entire area to be painted.	1	sum		
6.	<b>CONTAINER AREA AA100 &amp; BB100 &amp; TRAFFIC LANES AT STS CRANE AREA.</b>				
(a)	Re-paint <u>Yard numbers</u> (AA100 x 2 & BB100 x 2) with white-framed 210cm from container position line, 240cm for words height, 120cm for words width at an interval of 10cm with the	4	No		





	direction of numbers head all pointing towards the container.				
(b)	Re-paint <u>Container row letters</u> 60cm from container position line, 90cm for words height, sequenced as <b>A to G</b> 120cm with the direction of numbers head all pointing towards the container.	28	No		
(c)	Re-paint <u>Container array numbers</u> ( <b>101 to 181</b> for Block <b>AA100</b> & <b>101 to 175</b> for Block <b>BB100</b> ) 60cm from traffic line, 90cm for number height, sequenced as A to G 120cm with the direction of numbers head all pointing towards the container.	156	No		
7.	<b>Paint applied at nominal rate of 0.42 l/m<sup>2</sup> as scheduled.</b> Paint should be wearing resistant, corrosion resistant, waterproof, strong adhesion. Paint application as per Engineer's specifications. All fresh paint must be protected by means of sufficiently spaced traffic cones and relevant traffic signs as per engineer.				
(a)	White lines 0.1m wide x3	1.8	km		
(b)	Yellow Lines: 0.1m wide	1.5	km		
(c)	Yellow Lines: 0.15m wide x 7 +12	11.7	km		

(d)	<p>White characters and symbols</p> 	160	No		
		480	No		
(e)	<p>Yellow characters and symbols</p> 	18	No		

(f)		4	No		
(g)		4	No		
(h)		12	No		
(i)		12	No		
8.	Setting out and Pre-marking				



(a)	Lines excluding traffic characters and symbols. Where two or three lines are to be applied next to each other.	1	sum		
(b)	White characters and symbols	690	No		
9.	<b>Provide Skips</b> to dump all waste/sand into it and cart away all collected waste to municipal dump. No payment will be certified if the site is not adequately cleaned.	1	sum		
				<b>Subtotal</b>	
				<b>Add 10 % Contingencies</b>	
Enter 15% VAT rate if VAT exempt.				<b>VAT @ 15 %</b>	
				<b>Total</b>	

**\*COLUMNS A TO D TO BE COMPLETED AS APPLICABLE BY THE PUBLIC ENTITY**

**PRICED ACTIVITY SCHEDULE AUTHORISED BY:**

<b>NAME:</b>		<b>SIGNATURE:</b>	
<b>POSITION:</b>		<b>DATE:</b>	
<b>AUTHORISED FOR AND ON BEHALF OF:</b>	<b>COMPANY</b>		



**SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET**

**Procurement Reference Number:** W/RFQ/NAMPORT/10099054/2024

Bidders should complete columns C and D with the specification of the works offered. Also, state “comply” or “not comply” and give details of any non-compliance/deviation to the specification required.

Attach detailed technical literature if required.

Authorise the specification offered in the signature block below.

**Specifications and Compliance Sheet Authorised By:**

Item No	Specifications and Performance Required	Compliance of Specifications and Performance Offered	Details of Non-Compliance/ Deviation (if applicable)
<i>A*</i>	<i>B*</i>	<i>C</i>	<i>D</i>
1.	NAMPORT GENERAL ROAD SPECIFICATIONS MANUAL		
2.	SABS 1200		

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:		Company	



## SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Works - Ref. **W/RFQ-GCC** on the website of the Public Entity ([www.namport.com.na/Procurement](http://www.namport.com.na/Procurement)) except where modified by the Special Conditions below.

## SECTION VII: CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Works except where modified by the Special Conditions below.

## SECTION VIII: SPECIAL CONDITIONS OF CONTRACT

**Procurement Reference Number: W/RFQ/NAMPORT/10099054/2024**

The clause numbers given in the first column correspond to the relevant clause number of the GCC.

Subject and GCC clause reference	Special Conditions
Employer GCC 1.1(r)	The Employer is: <b>The Namibian Ports Authority</b>
Intended Completion Date GCC	The intended completion date is: <b>2 calendar months</b> after receiving Purchase Order
Project Manager GCC 1.1(y)	The Project Manager is: <b>Immanuel Hango/Bennie Gaeseb</b>
Site GCC 1.1(aa)	The Site is located at Port of Walvis bay and is defined in Drawings No:
Start Date GCC 1.1(dd)	The Start Date shall be <b>14 days</b> after receiving order from Procurement.



Subject and GCC clause reference	Special Conditions
<b>The Works</b> <b>GCC 1.1(hh)</b>	The Works consist of: <ol style="list-style-type: none"> <li>1. Accommodation of traffic.</li> <li>2. Use of hard brooms to remove all loose sand, grit and any other foreign loose material from the surfaces of entire areas to be painted.</li> <li>3. Remove old paint, oil grease or any oil-like material from the areas to be painted.</li> <li>4. Pre-mark and set out lines, characters and symbols</li> <li>5. Apply road marking and protect fresh paint until its touch dry.</li> <li>6. Collect and remove all waste to municipal dump.</li> </ol>
<b>Interpretation</b> <b>GCC 2.2</b>	<b>NA</b>
<b>Interpretation</b> <b>GCC2.3</b>	The following additional documents shall form part of the contract RFQ, Bill of Quantities (BOQ) and drawings where applicable.
<b>Language and Law</b> <b>GCC 3.1</b>	The language of the contract is English The law that applies to the Contract is the law of Namibia.
<b>Project Manager's Decisions</b> <b>4.1</b>	The Project Manager shall obtain specific approval from the Employer before carrying out any of his duties under the Contract which in the Project Manager's opinion will cause the amount finally due under the Contract to exceed the Contract Price or will give entitlement to extension of time. This requirement shall be waived in an emergency affecting safety of personnel or the Works or adjacent property.
<b>Delegation</b> <b>GCC 5.1</b>	The Project Manager <i>may</i> delegate his duties.



Subject and GCC clause reference	Special Conditions
<b>Notices</b> <b>GCC 6</b>	<p>Any notice shall be sent to the following addresses: For the Employer, the address and the contact name shall be:</p> <p><b>Ms. Agnes Mkabelana</b> <b>Tel: +264 64 208 2445</b> <b>Email: <a href="mailto:a.mkabelana@namport.com.na">a.mkabelana@namport.com.na</a></b></p> <p><b>Ms. Tshifundo Kandenge</b> <b>Tel: +264 64 208 2448</b> <b>Email: <a href="mailto:t.kandenge@namport.com.na">t.kandenge@namport.com.na</a></b></p> <p><b>For the Supplier, the address and contact name shall be:</b></p> <p>_____</p> <p><b>Tel: +264 61.....</b> <b>Email:</b></p>





Subject and GCC clause reference	Special Conditions
<b>Insurance</b> <b>GCC 13.1</b>	<p>Except for the cover mentioned in (d)(i) hereunder, the other insurance covers shall be in the joint names of the Contractor and the Employer and the minimum insurance amounts shall be:</p> <ul style="list-style-type: none"> <li>(a) for the Works, Plant and Materials: <i>(for the full amount of the works including removal of debris, professional fee etc...)</i></li> <li>(b) for loss or damage to Equipment: <i>(for the replacement value of the equipment that the contractor intends to use on site until the taking over by the Employer.</i></li> <li>(c) for loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract <i>for an amount representing the value of the properties that are exposed to the action of the contractor in the execution of the works. It will extend to the property of the Procuring Entity as well).</i></li> <li>(d) for personal injury or death: <ul style="list-style-type: none"> <li>(i) of the Contractor's employees: <i>[The Contractor shall take an adequate insurance cover for its employees for any claim arising in the execution of the works].</i></li> <li>(ii) of other people: <i>[This cover shall be for an adequate amount for Third Party extended to the Employer and its representatives].</i></li> </ul> </li> <li>(e) for loss or damage to materials on-site and for which payment have been included in the Interim Payment Certificate, where applicable.</li> </ul> <p>The Contractor shall choose to take the insurance covers indicated above as separate covers or a combination of the Contractor's All Risks coupled with the Employer's liability and First Loss Burglary, after approval of the Employer. All insurance covers shall be of nil or the minimum possible deductibles at sole expense of the contractor</p>
<b>Site Date</b> <b>GCC 14.1</b>	The site Data shall be N/A
<b>Possession of the Site</b> <b>GCC 20.1</b>	The Site Possession Date shall be 14 days after receipt of order



Subject and GCC clause reference	Special Conditions
<b>Procedure for Disputes</b> GCC 24	No Adjudicator shall be appointed under the contract and arbitration shall not apply. If any dispute arises between the Employer and the Contractor in connection with or arising out of the Contract, the parties shall seek to resolve any such dispute by amicable agreement. If the parties fail to resolve such dispute by amicable agreement, within 14 days after one party has notified the other in writing of the dispute, then the dispute shall be referred to court by either party.
<b>Program</b> GCC 25.1	The Contractor shall submit for approval a Program for the Works within 10 days from the date of the Letter of Acceptance or issue of Purchase Order Agreement
<b>Program</b> GCC 25.3	Program updates <i>shall</i> be required
<b>Defects Liability Period</b> GCC 33.1	The Defects Liability Period is: 6 months
<b>Payment Certificates</b> GCC 39.7	A single statement of the estimated value of the work executed shall be submitted on completion of the Works. The Project Manager shall check the statement and certify the amount to be paid to the Contractor.
<b>Payments</b> GCC 40	The amount certified by the Project Manager shall be paid in full within 30 days of receipt by the Employer of an invoice, supported by: (a) the payment certificate; and (b) A certificate of Completion of the Works.
<b>Adverse weather Conditions</b> GCC 41.1 (I)	No paint to be applied in damp weather, fog, windy conditions or if works clashes with the operations schedule.
<b>Price Adjustment</b> GCC 44.	The Contract <i>is not</i> subject to price adjustment
<b>Retention</b> GCC 45.	10% of contract amount will be retained from each payment certificate.
<b>GCC 46.1 Liquidated Damages</b>	N/A
<b>Bonus</b> GCC 47.1	N/A
<b>Advance Payment</b> GCC 48.1	No advance payment shall be made
<b>Performance Security</b> GCC 49.1	No performance security is required



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Subject and GCC clause reference	Special Conditions
GCC 56.1	As built" drawings or operating and maintenance manuals <i>are not</i> required
GCC 59.1	Not applicable



**SCHEDULE 1 - QUOTATION CHECKLIST SCHEDULE**

**Procurement Reference No.: W/RFQ/NAMPORT/10099054/2024**

<b>Description</b>	<b>Attached</b>	<b>Not Attached</b>
Quotation / Bid Submission Form		
A valid company Registration Certificate		
A valid good standing Tax Certificate;		
A valid good standing Social Security Certificate;		
A certified copy of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998		
Signed & completed Priced Activity Schedule		
Bid Submission Form		
Bid Securing Declaration		
A written undertaking as contemplated in section 138(2) of the Labour Act, 2007		
Price Schedule		
Specification and Compliance Sheet		
Evidences for conformity of Works		

**Disclaimer:** *The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*



## ANNEXURE A

### TECHNICAL EVALUATION SHEET

Item No.	Evaluation Criteria	Yes	No
1.	<p><b>Previous experience</b> in application of permanent road markings and traffic lanes using a mechanical road-painting machine, with maximum of (3) individual projects successfully completed within the last five (5) years where the bidder was the main contractor, sub-contractor or a JV. Bidder to submit duly signed/stamped letters of references on company letter heads and or valid completion certificates.</p> <ul style="list-style-type: none"> <li>• Completion of one (1) or two (2) projects will <b>not</b> be considered.</li> </ul>		
2.	<p>Relevant CV of <b>Site Agent</b> (who will be based permanent on this project) who has the necessary training and at least five (5) years relevant experience in works of equivalent nature and volume as specified in the Bid. Attach valid references indicating date, signature and relevant contact number of the referee.</p> <ul style="list-style-type: none"> <li>• Experiences less than five (5) years will <b>not</b> be considered.</li> <li>• CV's submitted <u>without</u> proper referencing indicating date, signature and relevant contact number of the referee will <b>not</b> be considered.</li> </ul>		
3.	<p>Relevant CV of <b>foreman</b> (who will be based permanent on this project) who has at least five (5) years relevant experience in works of equivalent nature and volume as specified in the Bid.</p> <ul style="list-style-type: none"> <li>• Experiences less than five (5) years will not be considered.</li> </ul>		
4.	<p>Bidders to confirm ownership of the following <b>plant/equipment</b> by submitting certified copies of valid registration certificates (or relevant document) in the name of the bidder.</p> <ul style="list-style-type: none"> <li>▪ Mechanical road-painting machine capable of applying road markings to a uniform width.</li> <li>▪ LDV or drop side (the LDV may be hired)</li> </ul>		
5.	<p>Proposal for timely acquisition (own, lease, hire) of the essential equipment such as <b>temporary traffic signs/ cones.</b></p>		



**PROJECT SPECIFICATIONS: VARIATIONS AND ADDITIONS TO THE STANDARDIZED SPECIFICATIONS FOR THIS CONTRACT**

**GENERAL**

**ROADS MAINTENANCE**

**SPECIFICATIONS**

**TECHNICAL SPECIFICATION**

**CA ROADS**

**CONTENTS**

- CA 01 SCOPE
- CA 02 STANDARD SPECIFICATIONS
- CA 03 OPERATING AND MAINTENANCE MANUALS
- CA 04 EXECUTION OF REPAIR WORK
- CA 05 MEASUREMENT AND PAYMENT

**CA 01 SCOPE**

This specification covers the materials, equipment, methods, testing and work required for the repair of existing roadways, parking areas, miscellaneous areas subjected to vehicular traffic and other miscellaneous paved areas. It covers both surfaced and unsurfaced roadways and includes appurtenant works such as kerbing, road markings and road signs.

This specification shall form an integral part of the repair contract document and shall be read in conjunction with Portion 3: Additional Specifications included in this document.

**CA 02 STANDARD SPECIFICATIONS**

**CA 02.01 GENERAL STANDARD SPECIFICATIONS, REGULATIONS AND CODES**

The latest edition, including all amendments up to date of tender, of the following specifications, publications and codes of practice shall be read in conjunction with this specification and shall be deemed to form part thereof:

- OW 371 - Specification of Materials and Methods to be used, fourth revision, October 1993
- SABS 1200 D - Earthworks
- SABS 1200 DM - Earthworks (roads, subgrade)
- SABS 1200 M - Roads (general)
- SABS 1200 ME - Subbase



SABS 1200 MF	-	Base
SABS 1200 MG	-	Bituminous surface treatment
SABS 1200 MH	-	Asphalt base and surfacing
SABS 1200 MJ	-	Segmented paving
SABS 1200 MK	-	Kerbing and channelling
SABS 1200 MM	-	Ancillary roadworks
COLTO 7100	-	Concrete pavements

#### **CA 02.02      OCCUPATIONAL HEALTH AND SAFETY ACT**

All regulations and statutory requirements are as per Occupational Health and Safety in terms of Labour Act, Act No. 11 of 2007 in the Republic of Namibia.

#### **CA 02.03      MANUFACTURERS' SPECIFICATIONS, CODES OF PRACTICE AND INSTALLATION INSTRUCTIONS**

All equipment and materials shall be installed, serviced and repaired strictly in accordance with the manufacturers' specifications, instructions and codes of practice.

#### **CA 02.04      MUNICIPAL REGULATIONS, LAWS AND BY-LAWS**

All municipal regulations laws, by-laws and special requirements of the Local Authority shall be adhered to unless otherwise specified.

#### **CA 03 OPERATING AND MAINTENANCE MANUALS**

The Contractor shall be responsible for the compilation of an inventory list and operating and maintenance manuals.

#### **CA 04 EXECUTION OF REPAIR WORK**

##### **CA 04.01      GENERAL**

The Contractor shall investigate and inspect all areas of the facility to confirm the extent of the repair work required and shall report to the Engineer. The Engineer/Department's representative will thereafter demarcate any areas to be repaired and shall instruct the Contractor with regard to the repair work to be done.

At the start of the repair contract all the systems, installations and equipment shall be repaired as specified in the Specifications. This repair work shall include but not be limited to the details specified in the relevant specification.

All repair work shall be executed using approved materials and equipment suitable to the systems and/or facilities they serve.



All materials and equipment shall comply fully with the requirements as specified for each facility.

The said repair work shall be executed in accordance with the relevant codes of practice, standards, regulations, municipal laws and by-laws, manufacturer's specifications and codes of practice and all additional and particular specifications included in this document.

All repair work shall be executed within the periods as stated in the Appendix to Tender. All new equipment, materials and systems shall be furnished with a written guarantee with a defects liability period of twelve (12) months from date of completion of repair work. These guarantees shall be furnished in favour of the Department of Public Works. On completion of the required and specified repair work the systems, installations and equipment shall be commissioned and handed over to the satisfaction of the Engineer/Department's representative.

Repair work items for the existing roadways, parking areas, miscellaneous areas subject to vehicular traffic and other paved areas shall be categorised under the following headings:

- (a) Repair of gravel wearing course
- (b) Surface repairs of concrete pavements
- (c) Pavement layers and surface repairs
- (d) Surface patching of surfaced roads
- (e) Crack sealing
- (f) Surface treatment of surfaced roads
- (g) Erection and repair of permanent road traffic signs
- (h) Road markings
- (i) Chemical control of vegetation and eradication of undesirable vegetation
- (j) Segmented paving
- (k) Concrete kerbing.

#### **CA 04.09      ROAD MARKINGS**

##### **CA 04.09.01    General**

This section covers the permanent marking and maintenance of white or yellow painted lines or symbols on the road surface by specialist contractors.

##### **CA 04.09.02    Materials**

###### **(a)      Plant**

- (i) Road-marking paint

Road-marking paint shall comply with the requirements of SABS 731-1 for type 1, type 2 or type 4 paint.

The paint shall be delivered at the site in sealed containers bearing the name of the manufacturer and the type of paint. Marking shall be in accordance with SABS 731-1.





The viscosity of the paint shall be such that it can be applied without being thinned down.

(ii) Retro-reflective road-marking paint

Retro-reflective road-marking paint shall comply with the requirements of CKS 192 and SABS 731.

(iii) Colour

The colours to be used shall be bright white, yellow or red.

The colour of the yellow and red paint shall be as specified in SABS 731-1.

(iv) Retro-reflective beads

The retro-reflective beads shall be glass beads that comply with the requirements for glass beads specified in CKS 192.

The beads shall be delivered at the site in sealed bags, marked with the name of the manufacturer, the batch number and an inspection seal of the South African Bureau of Standards (SABS), confirming that the beads form part of a lot that had been tested by the SABS and comply with the requirements of CKS 192. If not, the Contractor shall at all times have an SABS certificate on the site, with details of the batches that make up a lot that had been tested by the SABS, comply with CKS 192 and to which the inspection seal applies.

**CA 04.09.03 Weather limitations**

Road-marking paint shall not be applied to a damp surface or at temperatures lower than 10 °C, or when, in the opinion of the Engineer/Department's representative, the wind strength is such that it may adversely affect the painting operations.

No road-marking paint may be applied when visibility is dangerously impeded by mist, smoke or smog.

**CA 04.09.04 Mechanical equipment for painting**

The equipment shall consist of an apparatus for cleaning the surfaces, a mechanical road-painting machine and all additional hand-operated equipment necessary for completing the work. The mechanical road-marking machine shall be capable of painting at least two lines simultaneously and shall apply the paint to a uniform film thickness at the rates of application specified hereinafter. The machine shall be so designed that it will be capable of painting the road markings everywhere to a uniform width with sides within the tolerances specified hereinafter, without the paint running or splashing. The machine shall further be capable of painting lines of different widths by adjusting the spray jets on the machine or by means of additional equipment attached to the machine.

The machine shall be provided with clearly visible amber warning flashing lights which shall always be in operation when the machine is on the road.

**CA 04.09.05 Surface preparation**



Road markings shall be applied to bituminous surfaces only after sufficient time has elapsed to ensure that damage will not be caused to the painted surface by volatiles evaporating from the seal. After completion of the seal no less than two weeks or such longer period as may be directed by the Engineer/Department's representative shall elapse before any road markings shall be applied. However, the Engineer/Department's representative may, in certain cases, require road markings to be painted without waiting for the seal to harden, in which case it shall be done as soon as possible after the instruction had been given.

Before the paint is applied, the surface shall be clean and dry and completely free from any soil, grease, oil, acid or any other material that will be detrimental to the bond between the paint and the surface. The surface where the paint is to be applied shall be properly cleaned by means of watering, brooming or compressed air if required.

Where road markings are to be applied to a concrete pavement, all laitance and loose curing compound shall be removed. Particular care shall be taken to ensure that the surface shall be clean, fresh concrete on all areas where roadstuds are to be fixed.

The Contractor shall take note of conditions which he is unable to rectify by himself and may effect the durability of the paint, and he shall point out these conditions to the Engineer/Department's representative in writing.

The Contractor shall protect the retro-reflective surfaces of roadstuds when paint is applied and remove the protection immediately after the paint has been applied.

On concrete and bituminous surfaces where polished aggregate is exposed, a tack coat shall be used. On new concrete surfaces any laitance and/or curing compound shall be removed before the markings are applied.

The material shall not be laid over loose debris, mud or similar extraneous matter or over old flaking markings of paint or thermoplastic material. If the road surface is at a temperature of less than 5 °C, or if it is wet, it shall be warmed carefully by a road heater so that, when the material is laid, the surface temperature is above 5 °C and the surface dry.

#### **CA 04.09.06    Setting out the road markings**

No road markings shall be painted until the setting out and premarkings have been inspected and approved by the Engineer/Department's representative.

The lines, symbols, figures or marks shall be premarked by means of paint spots of the same colour as that of the final lines and marks. These paint spots shall be at such intervals as will ensure that the traffic-markings can be accurately applied, and in no case shall they be more than 1,5 m apart. Normally spots of approximately 10 mm in diameter should be sufficient.

The dimensions and positions of road-markings shall be as indicated by the Engineer/Department's representative, specified in the appropriate statutory provisions and the South African Road Traffic Signs Manual.

The repainting of a roadway after the application of a fogspray shall only be done once it is possible to determine the beginning and positions of individual broken line segments. Premarking of such a roadway



shall entail the searching for and marking of such broken line segments. Painting shall thereafter be done to the same tolerances as prescribed in CA 04.09.10.

After spotting, the positions of the proposed road markings such as broken lines and the starting and finishing points of barrier lines shall be indicated on the road. These premarkings shall be approved by the Engineer/Department's representative prior to commencement of any painting operations.

The position and outlines of special markings shall be produced on the finished road in chalk and shall be approved by the Engineer/Department's representative before the markings are painted. Approved templates may be used on condition that the positioning of the marking is approved by the Engineer/Department's representative before painting is commenced.

When a road has been fog sprayed and the darkened road markings have to be repainted, the Contractor shall set out the starting and end points of the broken lines. The paint shall then be applied within the tolerances for the repainting of existing lines.

The positions for the beginning and end of all barrier-line road-markings must be suitably indicated by the Engineer/Department's representative before the marking of the road commences.

**CA 04.09.07 Applying the paint**

The figures, letters, signs, symbols, broken or unbroken lines or other marks shall be painted as shown on the drawings or as directed by the Engineer/Department's representative.

Where the paint is applied by machine, it shall be applied in one layer. Before the road-marking machine is used on the permanent works, the satisfactory operation of the machine shall be demonstrated on a suitable site which is not part of the permanent works. Adjustments to the machine shall be followed by further testing. Only when the machine has been correctly adjusted and its use has been approved by the Engineer/Department's representative after testing, may the machine be used on the permanent work. The operator shall be experienced in the use of the machine.

After the machine has been satisfactorily adjusted, the rate of application shall be checked and adjusted if necessary before application on a large scale is commenced.

Where two or three lines are required next to each other, the lines shall be applied simultaneously by the same machine. The paint shall be stirred before application in accordance with the manufacturer's instructions. Paint shall be applied without the addition of thinners.

Where, under special circumstances, painting is done by hand, it shall be applied in two layers, and the second layer shall not be applied before the first layer has dried out sufficiently. As most road-marking paint reacts with the bitumen surface of the road, the paint shall be applied with one stroke only of the brush or roller.

Ordinary road-marking paint shall be applied at a rate not less than 0,42 litre/m<sup>2</sup>.

Unless otherwise instructed by the Engineer/Department's representative, the road-marking shall be completed before a particular section of the road is opened to traffic. Each layer of paint shall be continuous over the entire area being painted.



Control sheets with details of the order number, work dates, quantities of paint used and surface areas painted shall be completed by the Contractor for every section of road included in an order. One set of copies of these sheets shall be handed to the Engineer/Department's representative on completion of every individual order.

#### **CA 04.09.09 Applying the retro-reflective beads**

Where retro-reflective paint is required, the retro-reflective beads shall be applied by means of a suitable machine in one continuous operation, immediately after the paint has been applied. The rate of application of the beads shall be at least 0,8 kg/litre of paint or such other rate as may be directed by the Engineer/Department's representative. Machines that apply the beads by means of gravity only shall not be used. The beads shall be sprayed onto the paint layer by means of a pressure sprayer.

If specified or instructed by the Engineer/Department's representative, additional surface reflectorization of plastic road-markings shall be applied at a rate and according to the methods specified in BS 3262, 1987, part 3.

#### **CA 04.09.10 Tolerances**

Road-markings shall be constructed to an accuracy within the tolerances given below:

##### (a) Width

The width of lines and other markings shall not be less than the specified width, nor shall it exceed the specified width by more than 10 mm.

##### (b) Position

The position of lines, letters, figures, arrows, retro-reflective roadstuds and other markings shall not deviate from the true position by more than 100 mm in the longitudinal and 20 mm in the transverse direction.

When an unbroken line and a broken line are painted alongside each other, the beginning and/or the end of the adjacent lines shall coincide.

When existing lines are repainted, the new marking shall not deviate more than 100 mm in the longitudinal direction and 10 mm in the transverse direction from the existing marking.

##### (c) Alignment of markings

The alignment of the edges of longitudinal lines shall not deviate from the true alignment by more than 10 mm in 15 m.

##### (d) Broken lines

The length of segments of broken longitudinal lines shall not be shorter than the specified length or deviate by more than 150 mm from the specified length.



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**CA 04.09.11 General**

In broken lines the length of segments and the gap between segments shall be as indicated on the drawings. If these lengths are altered by the Engineer/Department's representative, the ratio of the lengths of the painted section to the length of the gap between painted sections shall remain the same.

Lines on curves, whether broken or unbroken, shall not consist of chords but shall follow the correct radius.

The Contractor shall provide temporary traffic control facilities at his own cost in accordance with specifications to ensure traffic safety where work is being executed.

Property and/or road signs damaged by the Contractor, his personnel or his agents shall be repaired or restored at his own cost to their condition as before the damage.

Only materials intended for use on this Contract may be stored on the site.

**CA 04.09.12 Faulty workmanship or materials**

If any material that does not comply with the requirements is delivered to the site, or is used in the works, or if any work of an unacceptable quality is carried out, such material or work shall be removed, replaced or repaired as required by the Engineer/Department's representative at the Contractor's own cost.

While work is in progress, tests shall be carried out on materials and/or the quality of work to ensure compliance with the specified requirements. The sampling methods are specified under the appropriate sampling and testing methods. The sampling methods described in TMH5 shall be followed where applicable. (TMH5 is published for the Committee of State Road Authorities by the National Institute for Transport and Road Research - presently the Division of Road and Transport Technology - as part of the series Technical Methods for Highways.)

**CA 04.09.13 Protection**

After the paint has been applied, the road markings shall be protected against damage by traffic or other causes. The Contractor shall be responsible for erecting, placing and removing all warning boards, flags, cones, barricades and other protective measures that may be necessary in terms of any statutory provisions and/or as may be recommended in the South African Road Traffic Signs Manual and specified in Road Note 13.



## **CA.08 ROAD MARKINGS**

### **CA.08.01 Retro-reflective road-marking paint**

(a) Longitudinal lines:

- (i) 100 mm wide broken or unbroken lines, white, yellow or red Unit: metre (m)
- (ii) 150 mm wide broken or unbroken lines, white, yellow or red Unit: metre (m)
- (iii) Broken or unbroken lines, white or yellow, other widths Unit: metre (m)

(b) Transverse lines and other markings:

- (i) Broken or unbroken lines, white or yellow Unit: square metre (m<sup>2</sup>)
- (ii) Lettering and symbols, white or yellow, repainting existing markings Unit: square metre (m<sup>2</sup>)
- (iii) Lettering and symbols, white or yellow, new markings Unit: square metre (m<sup>2</sup>)
- (iv) Traffic island markings, white or yellow repainting existing markings Unit: square metre (m<sup>2</sup>)
- (v) Traffic island markings, white or yellow new markings Unit: square metre (m<sup>2</sup>)

The unit of measurement for subitem CA.08.01(a) shall be a metre of line of each specified width of line, for widths not exceeding 150 mm, and the quantity paid for shall be the actual length of line painted in terms of an official order, measured to the nearest metre. The length of gaps in broken lines shall not be measured for payment.

The unit of measurement for subitem CA.08.01(b) shall be a square metre and the quantity to be paid for shall be the actual surface area of the lettering, symbols, traffic island markings or lines completed in terms of an official order, measured to the nearest tenth of a square metre.

The tendered rate per metre or per square metre, as the case may be, shall include compensation for procuring and providing all the necessary labour, constructional plant, tools, equipment and materials, including the retro-reflective beads. The tendered rate shall also include full compensation for surface preparation, for painting the road markings and applying the retro-reflective beads, for protection and temporary traffic control facilities, maintenance, and for all incidentals necessary to complete and maintain the road markings in accordance with the provisions of the contract, including the setting-out of lettering, symbols and traffic island markings, but excluding setting out and premarking the lines.

### **CA.08.02 Setting out and premarking of lines (excluding traffic island markings, lettering and symbols)** Unit: kilometre (km)

The unit of measurement for setting out and premarking lines shall be a kilometre of line set out and premarked. If two or more parallel lines lie in a strip with a maximum width of 1,0 m the setting out and premarking of the lines will be measured once only as if it is a single line.



The tendered rate shall include full compensation for setting out and premarking the lines in accordance with an official order, including all materials, and measured to the nearest tenth of a kilometre.

**CA.08.03      Removal of road markings:**

- (a)      Removal of markings by means of grit-blasting    Unit: square metre (m<sup>2</sup>)
- (b)      Removal of markings by other mechanical methods (The tenderer shall state the method he intends to use)      Unit: square metre (m<sup>2</sup>)
- (c)      Removal of markings by chemical methods (The tenderer shall state the method he intends to use)    Unit: square metre (m<sup>2</sup>)

The unit of measurement for the removal of road markings shall be a square metre and the quantity paid for is the actual surface area of the markings removed in terms of an official order, measured to the nearest tenth of a square metre.

The tendered rate shall include full compensation for removing the markings, including all material.